

Scout Report sent out

Noted in the NID File

Location map pinned

Approval Disapproval Letter

Date Completed, P. & A, or
opc us added

Pin location map

Approval of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

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FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

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Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

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COMPLETION DATA:

Date Well Completed

OW

WW

TA

GW

OS

PA

5-10-60

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Location Inspected

Bond released

State of Fee Land

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LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

GR

GR-N

Micro

Lat

M-L

Sonic

Others

6-23-60

4

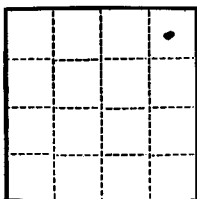
3 E-1

GR

GR-N

Micro

Section Change



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 8364
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

State Utah December 14, 1959
 Well No. No. 1 is located 541 ft. from N line and 601 ft. from E line of sec. 32
NE 1/4 Sec. 32 T 29 1/2 S R 24 E Salt Lake
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level to follow.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The above well will be a 9500 foot Devonian test. Surface casing will consist of 300 feet of 13 1/8 inch casing, cemented with sufficient cement to bring returns to the surface. A 9 5/8 inch intermediate string will be set if necessary. An engineered string of 7 inch casing will be set through any commercial production, with sufficient cement to protect any productive horizons. The well will be spudded as soon as possible after approval.

*No saturated mud required
(Gap saved 4900)
Single shot slope
test every bit
run 1500*

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Beise Petroleum Corporation

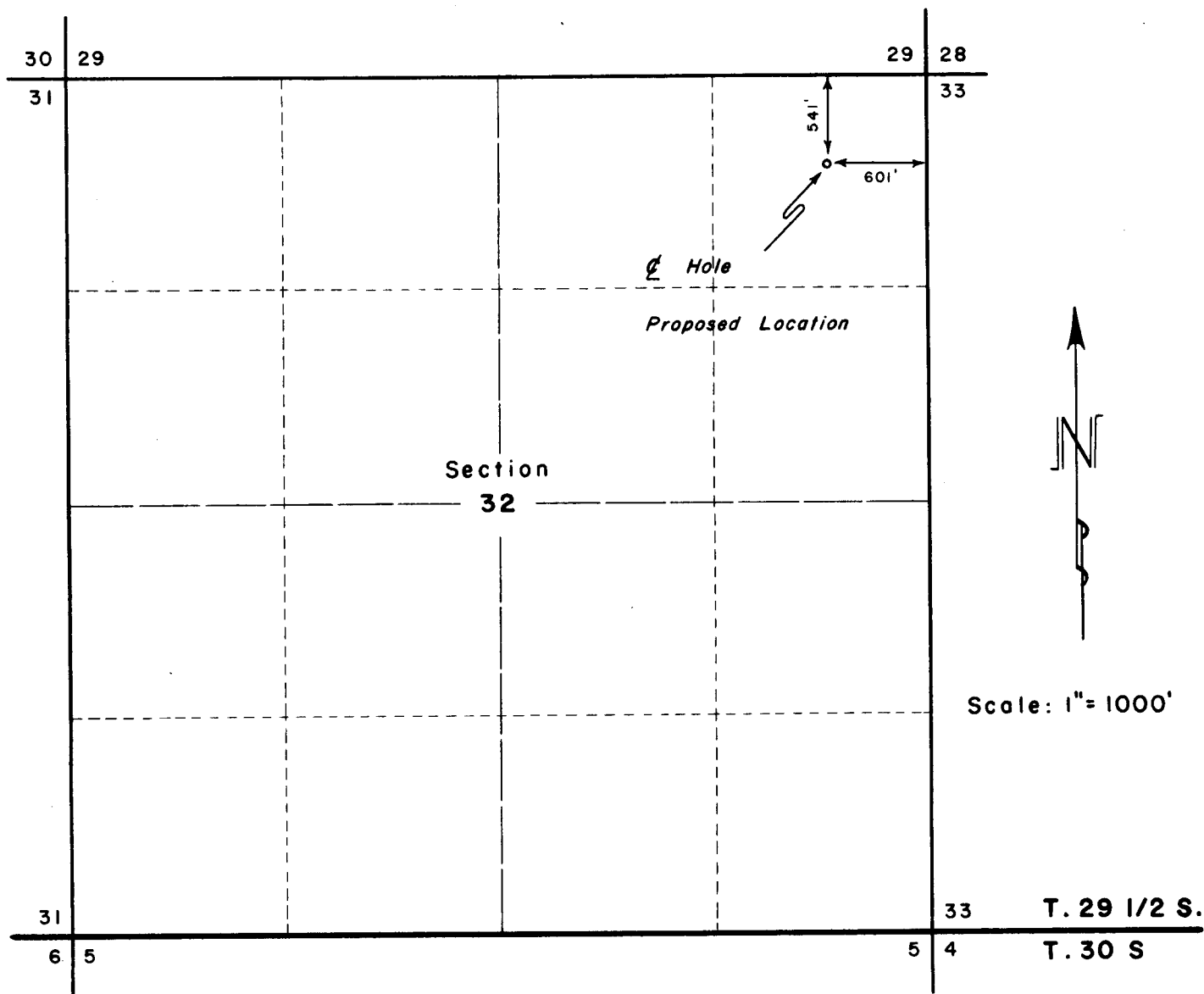
Address Box 302

Big Piney, Wyoming

By M. F. Johnston

Tit District Manager

CERTIFICATE OF SURVEY



WELL LOCATION: BELCO - GOV'T No. 1

Located 541 feet South of the North line and 601 feet West of the East line of Section 32
 Township 29 1/2 South Range 24 East Salt Lake Meridian
 San Juan County, Utah
 Existing ground elevation determined at 6286 feet based on U. S. G. S. Datum.

I hereby certify the above plat represents a survey
 made under my supervision and is accurate to the
 best of my knowledge and belief.

Elmer M. Clark
 ELMER M. CLARK
 Registered Land Surveyor
 State of Utah (No. 2305)

E.M. CLARK & ASSOCIATES
 Durango, Colorado
 DEC. 14, 1959

December 14, 1959

**Belco Petroleum Corporation
P. O. Box 302
Big Piny, Wyoming**

Attention: M. T. Johnson, District Manager

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Belco-State 1, which is to be located 341 feet from the north line and 601 feet from the east line of Section 32, Township 29½ South, Range 24 East, SLHM, San Juan County, Utah.

Please be advised that approval to drill said well is hereby granted. However, said approval is conditional upon a bond being filed with the State Land Board, 105 State Capitol Building, Salt Lake City, Utah, in accordance with the terms of Mineral Lease No. 8364.

If the top of the Paradox Salt zone in this well is at a depth greater than 4,000 feet, there need be no measures taken to protect the potash deposits. In view of the fact that the well is to be drilled in an area which may contain commercial uranium deposits, it is requested that you take at least one single-shot non-directional test to determine the deviation of the hole from the vertical per each 100 feet of depth throughout the interval which may possibly be mined. In the event the hole is substantially deviated from the vertical, a directional survey should be taken.

The approval for drilling this well terminates within 90 days if the above mentioned well is not spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

**H. G. HENDERSON, Chief Petroleum Engineer:
Office Phone: DA 80701, or DA 2-4721, Ext. 438
Home Phone: DA 2-4496**

Belco Petroleum Corporation
Attn: M. T. Johnson

Page No. Two
December 14, 1939

C. B. FREIGHT, Executive Secretary
Office Phone: DA 8-0701, or DA 2-4721, Ext. 438
Home Phone: HU 5-2721

All other forms of communication should be directed to the Utah Oil & Gas Conservation Commission at 310 Newhouse Building, 10 Exchange Place, Salt Lake City 11, Utah.

Yours very truly,

UTAH OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
EXECUTIVE SECRETARY

CBF:co

cc: State Land Board
103 State Capitol Building
Salt Lake City 14, Utah
Attn: F. J. Allen, Director

E. M. Clark & Associates
Surveying & Mapping -- Aerial Photography
Engineering

P. O. Box 3031

Phone CH 7-0307

DURANGO, COLORADO
December 15, 1959

*Belco
will*

State Oil & Gas Commission
State Capitol Building
Salt Lake City, Utah

Attention: Mr. C. B. Feight

Gentlemen:

In accordance with Mr. G. Nugent's instructions, Belco Petroleum Corporation, Big Pine, Wyoming, enclosed herewith are two copies of a well location plat in Section 32, T. 29½ S., R. 24 E., S.L.M.

It is our understanding Mr. Nugent desired this information forwarded and filed in your office so that he may commence drilling operations on the above tract at an early date.

If you should have any questions regarding this matter please advise us.

Very truly yours,

Elmer M. Clark

Elmer M. Clark

EMC:jmc

Encl.

DEC 16 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER _____
UNIT Wildcat-Balco State
1

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Liabon Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1960,

Agent's address P. O. Box 774 Company Balco Petroleum Corporation

Grand Junction, Colorado

Signed R. L. Pendergrass

Phone CH 3-0682

Agent's title District Superintendent

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
32-WESH	29 ¹ / ₂ S	24E	1	-						Drilling at 4451'.
RLP:lgb	2/6/60									
USGS	2									
ABB										
DCB										
UOAGCC	2 ¹ / ₂									
File	2									

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE
LEASE NUMBER
UNIT Wildcat-Belco State
1

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Lisbon Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1960,

Agent's address P. O. Box 774 Company Belco Petroleum Corporation
Grand Junction, Colorado Signed R. L. Pendergrass

Phone CH 3-0682 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
32-WESN	29 1/2 S	24 E	1	-						Drilling at 9510
RLP:lgb	3/2/60									
USGS	2									
ABB										
DCB										
UC&GCC ✓	2									
FILE										

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

[illegible]

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company BELCO PETROLEUM CORPORATION Address P. O. Box 774, Grand Junction, Colo.
 Lessor or Tract State Field Wildecot State Utah
Belco State 1 Well No. 32 T. 29¹_S R. 24^E Meridian Salt Lake County ~~Salt Lake~~ San Juan
 Location 541 ft. N. of N Line and 601 ft. E. of E Line of Sec. 32 Elevation 6297' KB
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed A. Frisch *A. Frisch*
Title District Engineer

Date 5-13-60

The summary on this page is for the condition of the well at above date.

Commenced drilling 1-2, 19 60 Finished drilling 5-4, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	48#	8R	CF&I	346'	Guide				
7	26, 29 & 32#	8R	CF&I	9702'	"		8682	8694	
							8701	8715	
							8721	8736	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	358'	320	Pump Plug		
7	9714'	1000	" "		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD | MARK

13-3/8	358'	320	Pump Plug		
7	9714'	1000	" "		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to 10,636 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-10 _____, 1960 Operations Temporarily Suspended,
Put to producing, 19_____The production for the first 24 hours was 60 barrels of fluid of which 0.1 % was oil; _____ % emulsion; 99 % salt water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. J. Deviney _____, Driller W. Weatherford _____, DrillerA. Clapp _____, Driller Calvert Brlg., Inc. _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	210'	210'	<u>Kayenta</u> Ss, wh/mnr rd. stn, f-m, ang-sbang-rd, fri, por/v. mnr, sltst, rd-brn, hd & ls. red-brn, firm/tr gyp.
210'	370'	160'	<u>Wingate</u> Ss, wh-gold, f-vf, sbdr, lse, por, fri/tr vcol, ss.
370'	550'	180'	<u>Chinle</u> Ss, as abv Wingate/intbd sltst, rd-brn, m. hd., shy, cmt in pt.
550'	620'	70'	Ss & sltst as abv/intbd sh, red & mot gn, slty, calc, firm/mnr tr ls.
620'	830'	210'	Ss & sltst as abv 180'/scat lse qtzt frags.
830'	950'	120'	Sh, gy-gn, hd/occ. blk cht & pyr; sltst, red, brn, calc; ss, gy/mnr pk blk & gn grs, f-vf, sbdr, hd, tt/abnd qtzt frags.
950'	1030'	80'	<u>Shinarump</u> Slst, red brn, m. hd, sdy in pt; ss, gy, f-vf, rd, tt, mica, slty in pt.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1030'	1180'	150'	<u>Moenkopi</u> Sltst, red-brn, m. hd, cgl; ss, wh, calc/ red stn; sh, gy-gn, firm, calc/tr ls, gy-gn, sdy.
1180'	1280'	100'	Sltst, red-brn, m. hd, sdy; sh, gy-gn; ss, gy, wh, f, hd, tt, cgl; ls, hd, wh, cht,qtzc.
1280'	1500'	220'	Sltst, red-brn, m. hd, sdy; sh, gy-gn; ss, gy-wh, f. hd/mica.
1500'	1580'	80'	<u>Cutler</u> ls, gy, slty; sh, gy-gn; sltst, red-brn, m. hd, sdy.
1580'	1790'	210'	Sh, gy-gn; sltst, red-brn, m. hd, sdy; ss, red-brn, c-f, hd, dirty, sl por/abnt qtzt, frags. pyr, & tr gyp & coal.
1790'	1900'	110'	Ss, red-brn, slty, calc, dirty, sl por/mnr wh ss & mnr qtzc ss; sh, gy-gn, firm.
1900'	2100'	200'	Ss, red-brn, c. por, slty, qtzc; sltst, red-brn; sh, gy-gn, mica/scat qtzt frags.
2100'	2870'	770'	Ss, red-brn-lav, f. xl, f., sbdr-sbang, firm, sl frs, calc. mtx in most, ark; sltst, red- brn, calc, sft/mnr intbd ls, gy, f. xl, mas, frag & sh, gy-lav, firm, calc.
2870'	3410'	540'	<u>Hermosa</u> ls, lt-dk gy, f. xl, frag; sh, dk gy-gn/mnr red-brn, slty, calc, firm/intbd; ss, lt-dk gy, f-vf, sbdr-sbang, firm, mica/calc, mtx in most.
3410'	4300'	890'	Sh, dk gy-lt gy-blk/mnr red-brn & gy-gr, slty, calc, firm/mnr intbd ls, gy-blk, f. xl, slty, shy, anhy, sft/noticeable sft wh anhy & sl od. por./mnr intbd ss, gy-wh, vf, sbdr, slty, hd, qtzc in pt.
4300'	4800'	500'	ls, gy, vf-f gr, crpxl, shy, dol, anhy/mnr intbd. sh, blk-gy, calc, firm, slty & ss, gy, vf-f, sbang-sbdr, por
4800'	4860'	60'	Sh, dk gy-blk, slty, calc, firm, sl dol.
4860'	5150'	290'	<u>Paradox</u> Dol, blk-gy/mnr tan, firm, suc, anhy/abnt wh, sft anhy/intbd sh, dk gy-blk, slty, dirty, sl carb.
5150'	5183'	33'	Sh, dk gy-blk, slty, dirty, sl carb.
5183'	7760'	2577'	Salt, wh-pk, mas, xl/mnr intbd sh, blk, firm, slty & mnr ls, dk, shy, crptxl in most.
7760'	7930'	170'	Sh, blk, firm, slty, carb/mnr gy sh, sl wxy/ mnr intbd. dol & ls, dk gy-tan, slty, shy/

			wh, sft anhy/intbd sh, dk gy-blk, slty, dirty, sl carb.
5150'	5183'	33'	Sh, dk gy-blk, slty, dirty, sl carb.
5183'	7760'	2577'	Salt, wh-pk, mas, xl/mnr intbd sh, blk, firm, slty & mnr ls, dk, shy, crptxl in most.
7760'	7930'	170'	Sh, blk, firm, slty, carb/mnr gy sh, sl wxy/mnr intbd, dol & ls, dk gy-tan, slty, shy/abnt, wh, cly & anhy/tr dirty ss.
7930'	9530'	1600'	Salt & sh, as abv.

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

FORMATION RECORD - CONTINUED

9530'	9720'	190'	ls, lt-dk gy, mas, dns, hd, shy, crpxl in most, sl dol/sh, blk, firm, slty, sl calc/abnt, anhy, wh, sft.
9720'	9798'	78'	<u>Melas</u> Sh, red-mar/mot blk firm, slty, sl calc, fis/admixed ls, wh-olive-tan, micxl, dns.
9798'	10,272'	474'	<u>Mississippian</u> ls, tan-gy-dk olive, crpxl-f. gr, hd, dns in most/pp-vug-frac. por/intbd. dol, tan-gy-olive, suc-crpxl, dns, hd, mas/mnr brecc. strs/pp-vug-frac. por/mnr. intbd. sh, blk-dk gy gn, firm, calc, dns/mnr strs. cht.
10,272'	10,338'	66'	<u>Curay</u> ls, lt gy-wh, vf-crpxl, dns, mas, anhy, chk/abnt wh, soft anhy/tr dk dns sh.
10,338'	10,506'	168'	<u>Elbert</u> ls, wh-tan-dk olive, firm, dns, aren/mnr fltg. sd gra., f. w. rd, fros/mnr intbd sh.
10,506'	10,585'	79'	<u>McCracken</u> Dol, lt-dk gy, suc-crpxl, hd, dns, mas/intbd. qtzt, wh-gy, hd, dns, mas/mnr intbd sh.
10,585'	10,636'	51'	<u>Cambrian?</u> Dol, dk brn-dk gy-blk, hd, dns/intbd sh, dk gy-blk, hd, dns, dol.

FOOTING METE CORRECTION

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

WELLS LOGS

WELL NO. 1
DATE LOGGED
BY
WELL NO. 2
DATE LOGGED
BY
WELL NO. 3
DATE LOGGED
BY

BELCO STATE #1

Sec. 32, T 29½ S, R 24 E
San Juan County, Utah

WELL HISTORY

The above well was spudded on 1-2-60, and after drilling and reaming 17-1/4" hole to 362', Surface Casing consisting of 12 jts. 13-3/8" 48# H-40 Casing was set at 358' and cemented to surface w/320 sacks regular cement w/2% HA-5 accelerator on 1-5-60. After WOC 12 hrs., the casing was tested to 500 psi for 1 hr., and a 9" hole drilled out under surface.

Drilling operations proceeded until 4290' where Induction, Microlog and Gamma Ray-Neutron Logs were run. Drilling continued to 9715' on 3-24-60 when a Caliper Log was run and 7" casing run.

Following is a breakdown of the casing design:

Baker guide shoe	1.90'
Shoe jt. 32# N-80	33.28
Baker differential fillup collar	1.75
62 jts. 32# N-80	2067.94
49 jts. 29# N-80	1593.98
164 jts. 26# N-80	5921.43
3 jts. 32# N-80	100.83
	9721.11' set 7.15' above KB

set at 9713.96' KB and cemented w/950 sacks 50-50 posmix, 4% gel and 24% salt and 50 sacks regular cement w/17% salt. Temp. Log showed top cement @ 4170'.

After WOC 72 hrs., the casing was tested to 1000 psi for 1 hr. and drilling continued with 5-3/4" hole. The Mississippian and Devonian formations were intermittently cored, drilled and tested to T.D. of 10,636'. TD was reached on 5-4-60.

The following DST's were made:

DST #	1	2	3	4	5
Date	1-18-60	1-18-60	2-2-60	2-8-60	2-26-60
Interval	2813-2847'	3028-3060'	4550-4581'	4994-5009'	8679-8737'
IHP	1413	1587	2512	2754	5195
ISIP			96	56	5212
IFP	333	46	42	19	1182
FFP	1098	46	53	29	3490
FSIP	1127	61	2481?	40	5221
Rec.	190' Mud 2310' Fr.Wtr.	15' Mud	26' Mud	12' Mud	6307' Sl GC Salt Wtr. w/tr Dist. 5.5 MCF - decl. 155°
Rate	No gas	No gas	No gas		
Temp.	-----	-----	110°	110°	

DST #	6	7	8
Date	3-3-60	4-7-60	4-29-60
Interval	9502-9528'	9854-9910'	10,509-10,554'
IHP	6925	6380	5475
ISIP	125	3436	8
IFP	46	899	65
FFP	46	1218	8
FSIP	-----	3368	-----
Rec.	-----	720' Muddy Salt Wtr.	12' Drlg. Mud
Rate	No gas	No gas	No gas
Temp.	155°	156°	152°

Gamma Ray-Neutron Logs were run at TD and the well plugged back on 5-5-60 as follows:

10,636'-10,450'	Heavy Mud
10,450'-10,246'	35 sacks cement w/17% salt.
10,246'-9,834'	Heavy Mud
9,834'-9,630'	35 sacks cement w/17% salt (7" inter. at 9714'.)
9,630'-0'	Heavy Mud

A Baker Model "B" Packer was set at 8640' and the zone from 8682'-8694' perforated w/8 jets/A. w/no fluid or gas entry.

WELL HISTORY

The zones from 8701'-8715' and 8721'-8737' were perforated w/2 jets/ft. with no fluid or gas entry. Hallibarton pumped fresh water into the formation, with an initial breakdown of 7500 psi. Maximum pumping rate 3 bbls./min. at 5900 psi.

Pumped in 180 bbls. fresh water, well flowed back fresh water and began producing salt water w/trace of distillate and small amount of gas. Estimate 12-15 bbls. salt water/hr.

Pulled out of Model "D" Packer w/operations temporarily suspended on 5-10-60. May complete as salt water well.

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Utah
Lease No. ML-8364
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 13, 19 60

Belco State

Well No. 1 is located 541 ft. from N line and 601 ft. from E line of sec. 32NE 1/4 Sec. 32 29-1/2 S 24 E Salt Lake
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)The elevation of the ^{KB}~~derrick floor~~ above sea level is 6297 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The above well was spudded on 1-2-60, and after drilling and reaming 17-1/4" hole to 362', Surface Casing, consisting of 12 Jts. 13-3/8" 48# H-40 casing was set at 358' and cemented to surface w/320 sacks regular cement w/2% HA-5; accelerator on 1-5-60. After W.O.C. 12 hrs., the casing was tested to 500 psi for one hour and a 9" hole drilled out under surface.

Drilling operations proceeded until 4290' where Induction, Microlog & Gamma Ray-Neutron Logs were run. Drilling continued to 9715' on 3-24-60 when a Caliper Log was run and 7" casing run.

(Cont'd.)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company BELCO PETROLEUM CORPORATIONAddress P. O. Box 774Grand Junction, ColoradoBy A. FrischTitle A. Frisch
District Engineer

Following is a breakdown of the casing design:

Baker guide shoe	1.90'
Shoe jt. 32# N-80	33.28
Baker differential fillup collar	1.75
62 jts. 32# N-80	2067.94
49 jts. 29# N-80	1593.98
164 jts. 26# N-80	5921.43
3 jts. 32# N-80	100.83
	9721.11' set 7.15' above KB

set at 9713.96' KB and cemented w/950 sacks 50-50 pozmix, 4% gel and 24% salt and 50 sacks regular cement w/17% salt. Temp. Log showed cement top at 4170'.

After W.O.C. 72 hrs., the casing was tested to 1000 psi for 1 hr. and drilling continued with 6-3/4" hole. The Mississippian and Devonian formations were intermittently cored, drilled and tested to T.D. of 10,636'. TD was reached on 5-4-60.

The following D.S.T.'s were made:

DST #	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Date	1-16-60	1-18-60	2-2-60	2-8-60	2-26-60
Interval	2813-2847'	3028-3060'	4550-4581'	4994-5009'	8679-8737'
Init. Hydro.	1413	1587	2512	2754	5195
Init. SI			96	56	5212
Init. Flow	333	46	42	19	1182
Final Flow	1098	46	53	29	3490
Final SI	1127	61	2481?	40	5221
Recovery	190' Mud, 2310' Fresh Wtr.	15' Mud	26' Mud	12' Mud	6307' SI Gas Cut Salt Wtr. w/tr Dist.
Rate	No gas	No gas	No gas		5.5 MCF - declining
Temp.	----	----	110°	110°	155°

DST #	<u>6</u>	<u>7</u>	<u>8</u>
Date	3-3-60	4-7-60	4-27-60
Interval	9502-9528'	9854-9910'	10,509-10,554'
Init. Hydro.	6925	6380	5475
Init. SI	125	3436	8
Init. Flow	46	899	65
Final Flow	46	1218	8
Final SI	----	3368	----
Recovery	----	720' Muddy salt water	12' Drlg. Mud

Rate	No gas	No gas	No gas
Temp.	155°	156°	152°

Gamma Ray-Neutron Logs were run at TD and the well plugged back on 5-5-60 as follows:

10,636'-10,450'	Heavy Mud
10,450'-10,246'	35 sacks cement w/17% salt
10,246'-9,834'	Heavy Mud
9,834'-9630'	35 sacks cement w/17% salt (7" Inter. at 9714'.)
9,630'-0	Heavy Mud

A Baker Model "D" Packer was set at 8640' and the zone from 8682'-8694' perforated w/4 jets/ft. w/no fluid or gas entry.

The zones from 8701'-8715' and 8721'-8737' were perforated w/2 jets/ft. with no fluid or gas entry. Halliburton pumped fresh water into the formation, with an initial breakdown of 7500 psi. Maximum pumping rate 3 bbl./min. at 5900 psi.

Pumped in 180 bbl. fresh water, well flowed back fresh water and began producing salt water w/trace of distillate and small amount of gas. Estimate 12-15 bbl. salt water/hr.

Pulled out of Model "D" Packer w/operations temporarily suspended on 5-10-60. May complete as salt water well.

BELCO PETROLEUM

CORPORATION

P. O. BOX ~~602~~ 774 BIG PINEY, WYOMING

TELEPHONES: ~~5121~~ CH 3-0682

Grand Junction, Colorado

May 20, 1960

United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Gentlemen:

Re: Belco State #1 Well
Sec. 32, T 29½ S, R 24 E
San Juan County, Utah

Please refer to our Lessee's Monthly Report of Operations for the month of April for the subject well.

The incorrect lease number was inadvertently indicated on this report. This number should be ML 8364. Please change your records accordingly.

Yours very truly,

BELCO PETROLEUM CORPORATION


R. L. Pendergrass
District Superintendent

RLP:gl

cc: Utah OGCC
Belco - New York